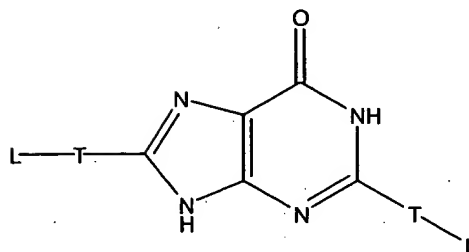


II



III

each tether moiety T is -NH(R<sup>1</sup>)NH-, -NH(R<sup>1</sup>)O-, -NHR<sup>2</sup>NH-, -NHR<sup>2</sup>SO<sub>2</sub>NH-, -NHR<sup>1</sup>-, -N(R<sup>4</sup>)<sub>2</sub>, -N=N-, O, S, Se, -P(=O)(O)<sub>2</sub>, NH, OR<sup>2</sup>, OR<sup>3</sup>, malonato, pyrrolidinyl, piperidinyl, piperazinyl, morpholino, imidazolyl, pyrrolyl, pyrazolyl, indolyl, 1H-indolyl,  $\alpha$ -carbolinyl, carbazolyl, phenothiazinyl, phenoxazinyl, tetrazolyl, or triazolyl;

R<sup>1</sup> is alkylene; R<sup>2</sup> is aryl; R<sup>3</sup> is H or C<sub>1</sub>-C<sub>10</sub> alkyl; R<sup>4</sup> is alkyleneoxy; and

each chemical substituent L is, independently, C<sub>1</sub>-C<sub>10</sub> alkyl, substituted C<sub>1</sub>-C<sub>10</sub> alkyl, C<sub>2</sub>-C<sub>10</sub> alkenyl, substituted C<sub>2</sub>-C<sub>10</sub> alkenyl, C<sub>2</sub>-C<sub>10</sub> alkynyl, substituted C<sub>2</sub>-C<sub>10</sub> alkynyl, C<sub>4</sub>-C<sub>7</sub> carbocyclic alkyl, substituted C<sub>4</sub>-C<sub>7</sub> carbocyclic alkyl, C<sub>4</sub>-C<sub>10</sub> alkenyl carbocyclic, substituted C<sub>4</sub>-C<sub>10</sub> alkenyl carbocyclic, C<sub>4</sub>-C<sub>10</sub> alkynyl carbocyclic, substituted C<sub>4</sub>-C<sub>10</sub> alkynyl carbocyclic, C<sub>6</sub>-C<sub>14</sub> aryl, substituted C<sub>6</sub>-C<sub>14</sub> aryl, heteroaryl, substituted heteroaryl, a nitrogen, oxygen or sulfur containing heterocycle, a substituted nitrogen, oxygen or sulfur containing heterocycle, a mixed heterocycle, or a substituted mixed heterocycle; wherein each of the substituent groups is selected from a group consisting of alkyl, alkenyl, alkynyl, aryl, hydroxyl, alkoxy, benzyl, nitro, thiol, thioalkyl, thioalkoxy and halo; or L is, independently, phthalimido, an ether having 2 to 10 carbon atoms and 1 to 4 oxygen or sulfur atoms, hydrogen, halogen, hydroxyl, thiol, keto,